

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002939**Date Inspected:** 09-Nov-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (OBG) and Office.**Bid Item:** 77, 78, 79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

Crash Barriers Internal/External Surfaces (40 Each), NOI Number 4930: In accordance with project specifications and SSPC-SP 1, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers Internal/External Surfaces (40 Each) in preparation for Interzinc 22 installation. ABF and ZPMC Quality Assurance/Control representatives noted minor discrepancies in the surface preparation (grinding and weld repairs). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point.

Crash Barriers External Surfaces (117 + 92 Each), NOI Number 4931: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on Crash Barriers External Surface (117 + 92 Each). ABF and ZPMC QA/QC recorded final surface dry film thickness readings (DFT) in accordance with SSPC-PA2. ABF and ZPMC Quality Assurance/Control representatives noted lack of identification of parts. ABF Quality Assurance personnel instructed ZPMC to supply identification numbers prior to final acceptance.

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Crash Barrier Cover Plates External Surfaces (472 Each), NOI Number 4932: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the final coat installation on Crash Barrier Cover Plates External Surfaces (472 Each). ABF and ZPMC QA/QC recorded final surface dry film thickness readings (DFT) in accordance with SSPC-PA2. ABF and ZPMC Quality Assurance/Control representatives noted lack of identification of parts and holidays (misses) on plate edges. ABF Quality Assurance personnel instructed ZPMC to supply identification numbers and re-work and re-submit for inspection prior to final acceptance.

Crash Barriers Internal/External Surfaces (40 Each), NOI Number 4935: In accordance with project specifications and SSPC-SP 1, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers Internal/External Surfaces (40 Each) in preparation for Interzinc 22 installation. ABF and ZPMC Quality Assurance/Control representatives noted minor discrepancies in the surface preparation (blast). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point.

Crash Barriers Internal/External Surfaces (33 Each), NOI Number 4936: In accordance with project specifications and SSPC-SP 1, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers Internal/External Surfaces (33 Each) in preparation for Interzinc 22 installation. ABF and ZPMC Quality Assurance/Control representatives noted minor discrepancies in the surface preparation (blast). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point.

Crash Barrier Cover Plates External Surfaces Back Sides (239 Each), NOI Number 4937: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the Interzinc 22 installation on Crash Barrier Cover Plates External Surfaces Back Sides (239 Each). ABF and ZPMC QA/QC recorded final surface dry film thickness readings (DFT) in accordance with SSPC-PA2. ABF and ZPMC Quality Assurance/Control representatives noted lack of identification of parts. ABF Quality Assurance personnel instructed ZPMC to supply identification numbers prior to final acceptance.

Crash Barrier Cover Plates External Surfaces (239 Each), NOI Number 4937A: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Crash Barrier Cover Plates External Surfaces (239 Each) were tested in accordance with SSPC-SP 1 (Surface Cleanliness), SSPC-PA 2 Dry Film Thickness (DFT), ISO 11127-6, ISO 11127-7 (Residual Chlorides) and ASTM D4752 (MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub). All test results were acceptable and within desired limits. ABF and ZPMC QA/QC noted discrepancies in the Interzinc 52 installation and lack of identification of parts. ABF Quality Assurance personnel instructed ZPMC to re-work, identify parts and re-submit for inspection prior to proceeding with process to the next check point.

Office

Attend to report writing and photo documentation.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

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Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
